

FIGURE 1

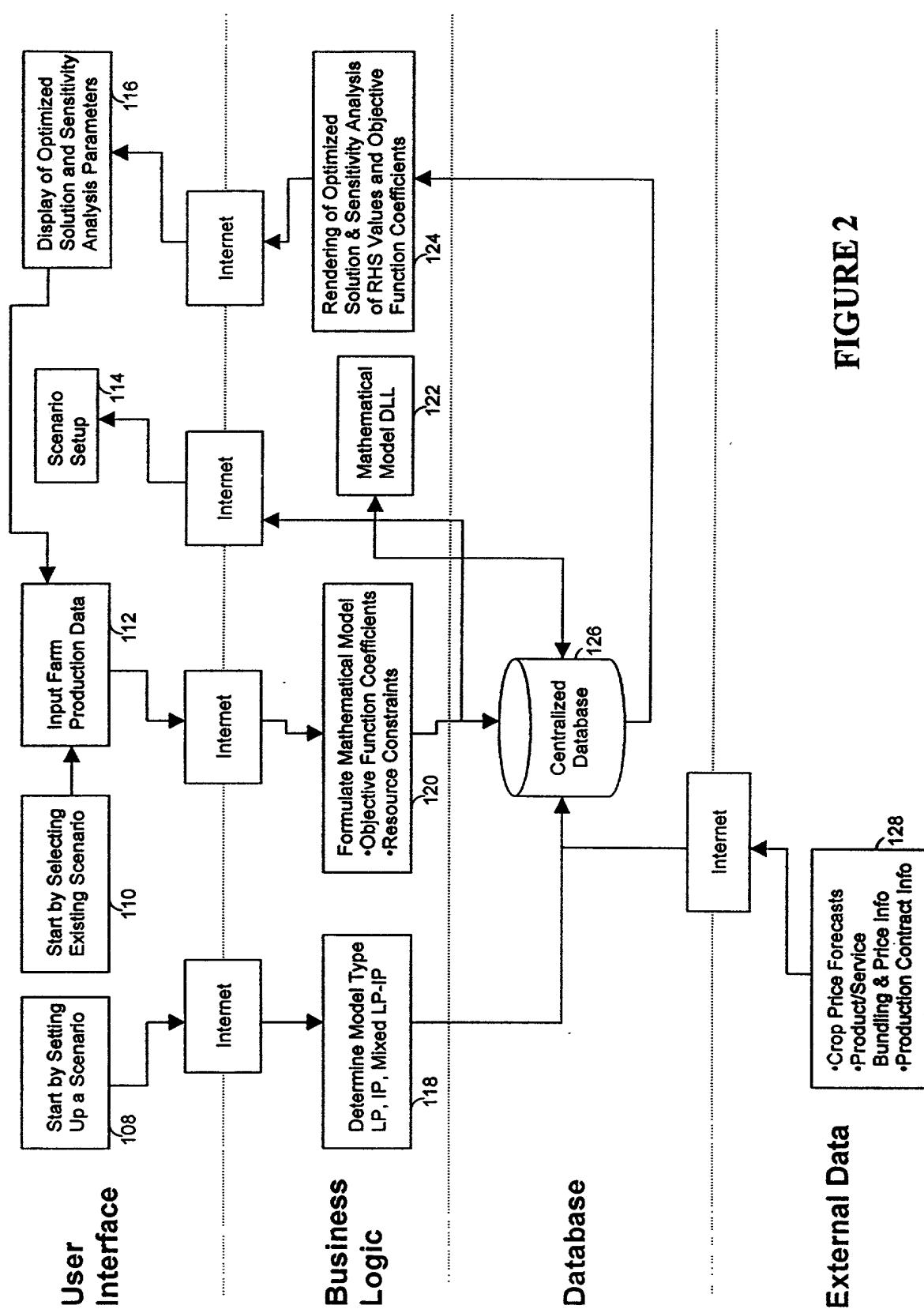


FIGURE 2

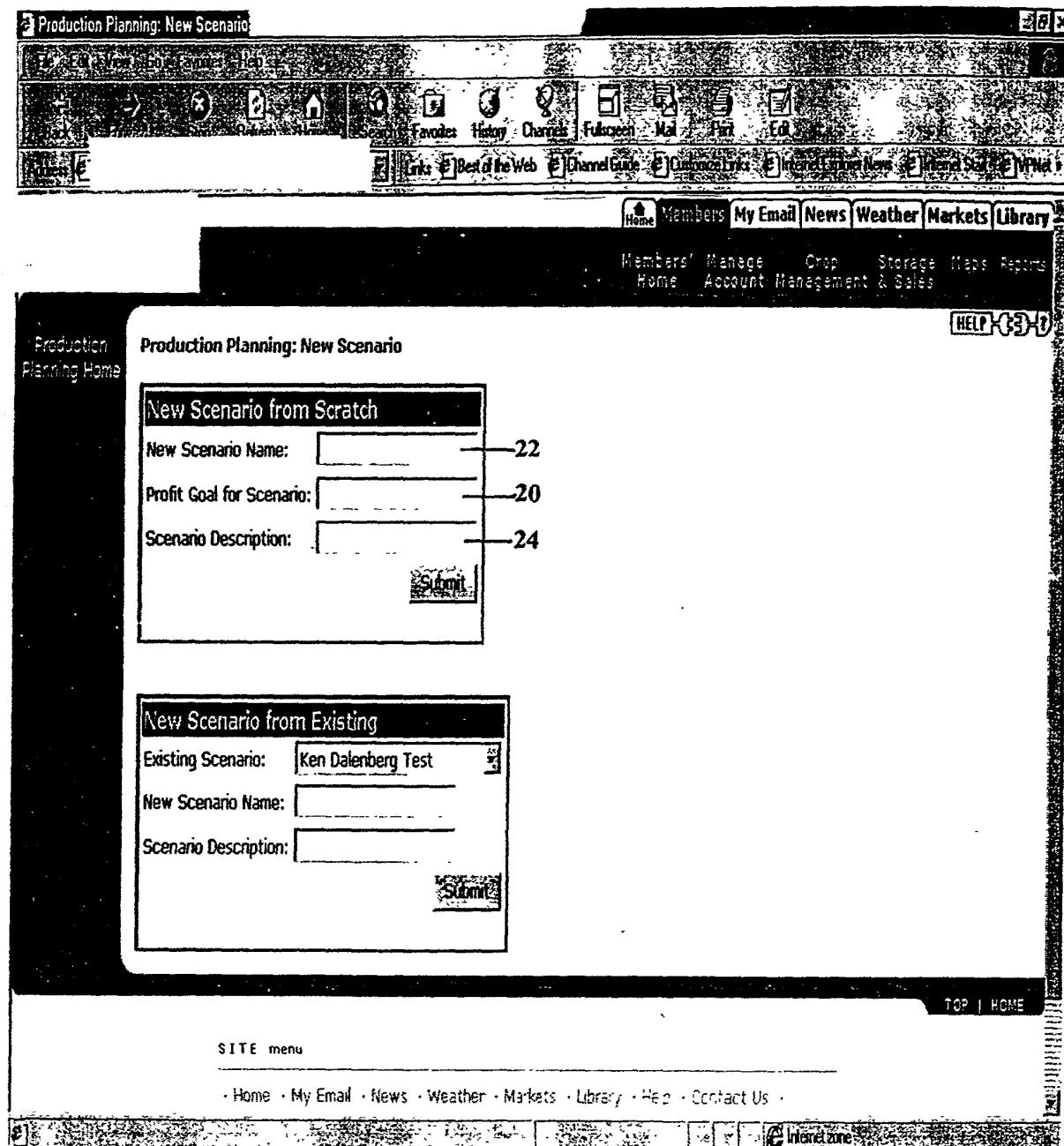


FIGURE 3

Production Planning

Scenarios	Description	Add
Ken Dalenborg Test	Testing Dalenborg Data	
Dup of Ken Dalenborg Test	Testing full duplication of CMS-based scenario.	
Testing Field Assignments	How about that!	
Save this scenario	error in addition of Remaining Op Capital	
Garys Scenario	Garys Test Scenario	

FIGURE 4

Production Planning: Add Crop

Select Crops	
Cropping programs available for use:	
<input type="checkbox"/> Corn Program 1998	
<input type="checkbox"/> Soybean Program 1998	
Cropping programs currently selected in this scenario:	
<input checked="" type="checkbox"/> Corn Program 1997	
<input checked="" type="checkbox"/> Soybean Program 1997	
<input checked="" type="checkbox"/> Soiltest Program	
26	28
<input type="button" value="Add Crop to Plan"/>	

FIGURE 5

Production Planning: Add Field

Select Fields	
Fields available for use:	Fields currently selected in this scenario:
Dean: 3800G5	<input type="checkbox"/> Bevan: North 80
Dean: 3800G6	<input type="checkbox"/> Bevan: South 80
Dean: 3800G7	<input type="checkbox"/> Heartland: Heartland East
Dean: 3800G8	<input type="checkbox"/> Heartland: Heartland West
Dirst: North 80	<input type="checkbox"/> Hodge: Hodge 42
Dirst: South 75	<input type="checkbox"/> Hodge: Hodge S 84
Hodge: Hodge 160	<input type="checkbox"/> Hume: Hume Back 50
Howe: Howe	<input type="checkbox"/> Hume: Hume Front 40
James: James North 54	<input type="checkbox"/> Zindars: Zindars East 27
James: James South 34	<input type="checkbox"/> Zindars: Zindars West 31

FIGURE 6

Production Planning: Edit Crop-Field Assignments

Edit Crop-Field Assignments			
	Com Program 1997	Soybean Program 1997	Soltest Program
Bevan: North 80	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bevan: South 80	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Heartland: Heartland East	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Heartland: Heartland West	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hodge: Hodge S 84	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hume: Hume Back 50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hume: Hume Front 40	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Zindars: Zindars East 27	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Zindars: Zindars West 31	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

FIGURE 7

Production Planning: Acreage Constraints

Crop or Group Name	Acreage Constraints		Maximum Acreage	
	Minimum Acreage	Enforce:		
Corn Program 1997	<input type="checkbox"/> Enforce:	none	<input type="checkbox"/> Enforce:	none
Soybean Program 1997	<input type="checkbox"/> Enforce:	none	<input type="checkbox"/> Enforce:	none
Soiltest Program	<input type="checkbox"/> Enforce:	none	<input type="checkbox"/> Enforce:	none
Corn Group	<input checked="" type="checkbox"/> Enforce:	50	<input type="checkbox"/> Enforce:	none
Soybean Group	<input checked="" type="checkbox"/> Enforce:	50	<input type="checkbox"/> Enforce:	none

36

32

34

FIGURE 8

Production Planning: Add Crop Group

Add Crop Group

Group Name:	
Crops available:	Crops currently selected in this group:
<input type="checkbox"/> Corn Program 1997	<input type="checkbox"/>
<input type="checkbox"/> Soybean Program 1997	<input type="checkbox"/>
<input type="checkbox"/> Corn Program 1998	<input type="checkbox"/>
<input type="checkbox"/> Soybean Program 1998	<input type="checkbox"/>
<input type="checkbox"/> Soiltest Program	<input type="checkbox"/>

FIGURE 9

Production Planning: Add Contract

Add Contract

Contract Name:	38
Contract Crop:	Corn Program 1997
Contract Price:	
Contract Quantity (Acres):	
Is this a firm contract?	Yes <input checked="" type="checkbox"/>
Upper Bound on Contract Quantity:	20 %

OK

FIGURE 10

Production Planning: Add Resource

Select Resource

Resources you have used in other scenarios:	Resources currently selected in this scenario:
Storage	Operating Capital 40
	Land 42
	Water

OK

Add a Resource

New resource name:	
Amount of resource available:	
New resource UOM:	

OK

FIGURE 11

Production Planning Resource: Water

Water: Availability	
Amount of Water available	150000

Water: Usage	
Amount of Water used by Corn Program 1997	175
Amount of Water used by Soybean Program 1997	200
Amount of Water used by Soiltest Program	0

FIGURE 12

Production Planning: Edit Field Differences

Edit Field Differences		
Field:	Hodge: Hodge 42	
Crop Program:	Corn Program 1997	
Resource	Default Value	Override
Water	175	175
Storage	140	140

Save

FIGURE 13

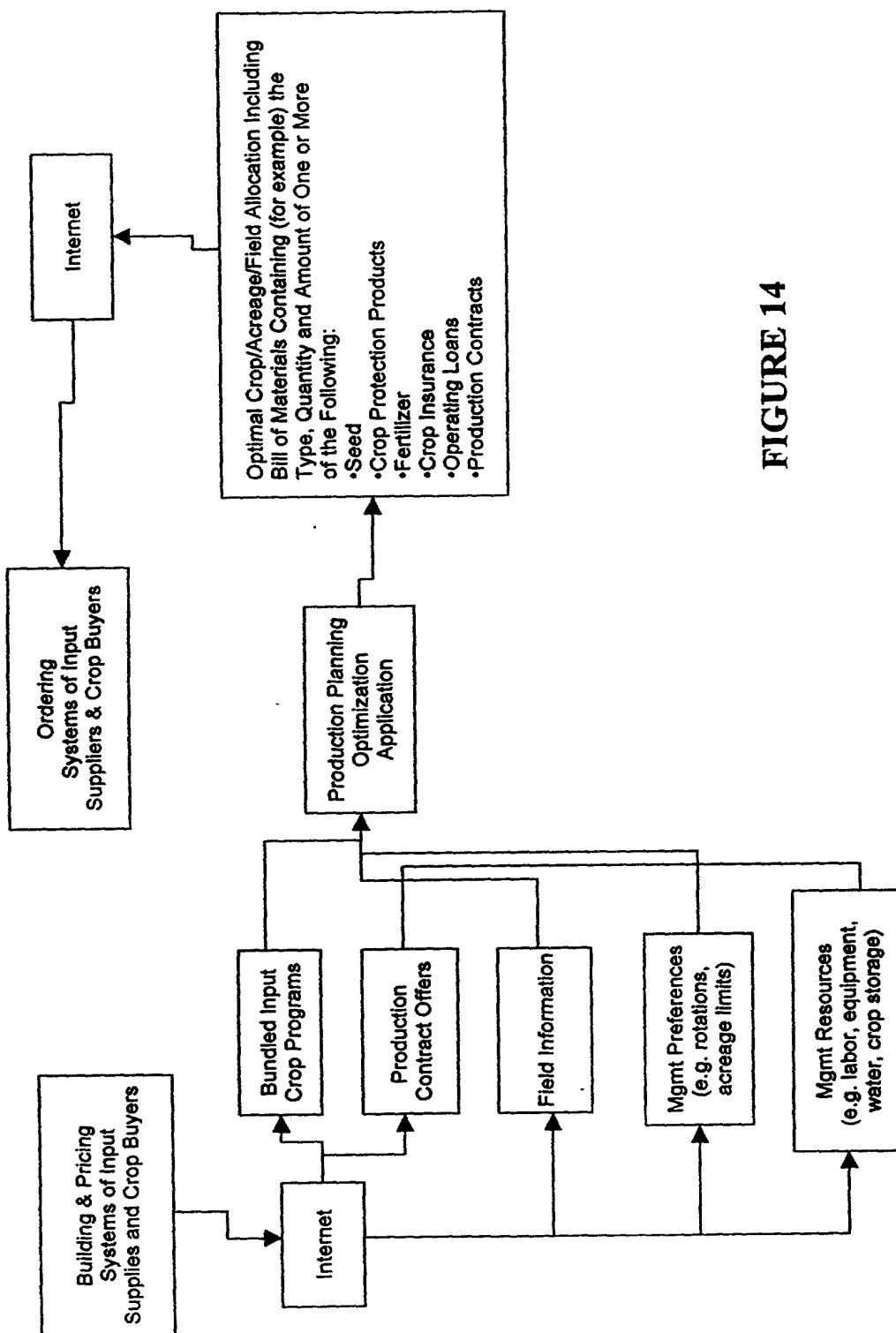


FIGURE 14

Production Planning Scenario: Gary's Scenario

Scenario Setup

Crop Programs				
Name	Price	Yield	Prod Cost	Gross Income per Acre
Corn Program 1997	\$2.80	155	\$200.00	\$27.35
Soybean Program 1997	\$5.15	49	\$215.00	\$158.50
Corn Program 1998	\$2.90	165	\$220.00	\$18.00
Soybean Program 1998	\$5.20	44	\$210.00	\$18.00

Fields				
Name	Size			
Dean: North 00	60			
Dean: 3800GS	51			
Dean: 3800GS	81			
Dirst: South 75	76			
Heartland: Heartland West	44			
Heartland: Heartland East	30			
Howe: Howe	79			

Acreage Constraints				
Name	Min	Max		
Native	20	200		
Corn Program 1997	no minimum	200		
Total Corn				

Crop Contracts				
Name (Crop)	Price	Quantity	Firm	

Resources				
Name	Available			
Operating Capital	\$500,000.00			
Land	441			

FIGURE 15

Production Planning Scenario: Gary's Scenario

Scenario Results:

Gross Income: \$38,876.00 [View Graph](#)

Crop Programs				
Name	Acres	Price	Yield	Gross Income
Corn Program 1997	30	\$2.80	155	\$64,020.00
Soybean Program 1997	250	\$5.15	49	\$9,337.50
Corn Program 1998	161	\$2.90	165	\$25,518.50
Soybean Program 1998	0	\$5.20	44	\$0.00

Fields				
Name	Size	Crop Planted		
Dean: North 00	60	Corn Program 1998		
Dean: 3800GS	51	Soybean Program 1997		
Dean: 3800GS	81	Corn Program 1998		
Dirst: South 75	76	Soybean Program 1997		
Heartland: Heartland West	44	Soybean Program 1997		
Heartland: Heartland East	30	Corn Program 1997		
Howe: Howe	79	Soybean Program 1997		

Limits				
Name	Limit			
Corn Program 1997	more than 20 acres			
Corn Program 1997	less than 90 acres			
Total Corn	less than 200 acres			

Contracts				
Name (Crop)	Filled	Gross Income		

Resources				
Name	Used	Unused		
Operating Capital	\$114,270.00	\$385,730.00		
Land	441	0		

FIGURE 16

Production Planning Scenario: Garys Scenario

Scenario Results:

Text

Gross Income: \$38,876.00

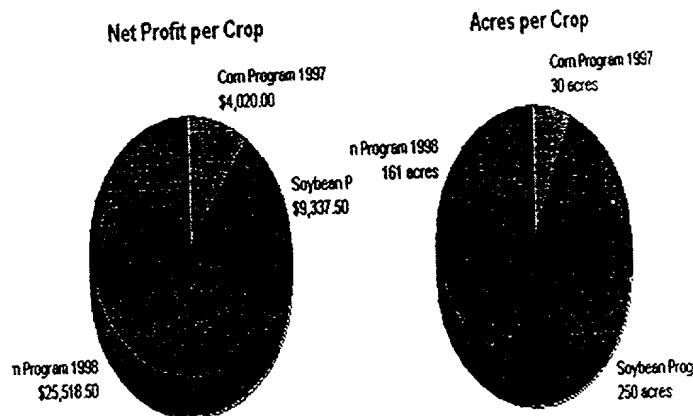


FIGURE 17

Resources

Resource or Acreage Constraint to Vary:	<input type="text" value="Operating Capital"/>				
Amount to Vary (per point):	<input type="text" value="25000"/>				
<input type="button" value="Update"/>					
What-If Analysis					
Gross Income	110	52	7865		
	100	54	7078		
	90	56	6232		
	80	58	5505		
	70	60	4719		
	60	62	3932		
	50	64	3146		
	40	66	2359		
	30	68	1573		
	20	70	786		
	10	72	0		
	Solution 1	Solution 2	Solution 3	Solution 4	Solution 5
54					
Solution 1		Solution 2		Solution 3	
Gross Income: \$69,071.50 Corn Program 1997 Soybean Program 1997 Corn Program 1998		Gross Income: \$58,452.00 0 Corn Program 1997 50 Soybean Program 1997 424 Corn Program 1998		Gross Income: \$45,772.00 0 Corn Program 1997 50 Soybean Program 1997 357 Corn Program 1998	

FIGURE 18

Scenario 1:			Scenario 2:																																																																																						
Ken Dalenberg Test			Dup of Ken Dalenberg Test																																																																																						
Gross Profit: \$29,078.45			Gross Profit: \$61,899.50																																																																																						
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FIGURE 19

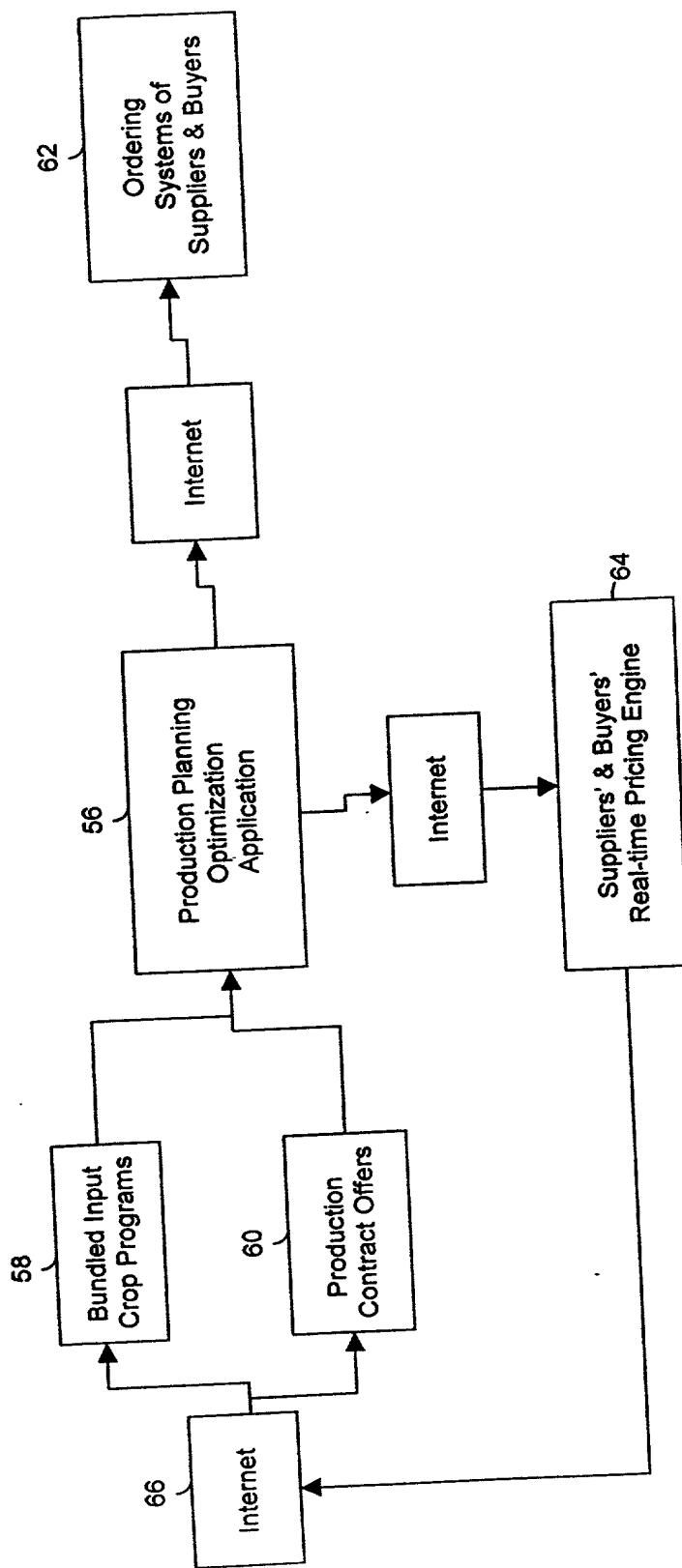


FIGURE 20